

Production scientifique (01/01/2018 au 31/12/2023)

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Characterization of an Intra-Body Wireless Link in the UHF Band
Fatiha Mghar , Antoine Diet , Chadi Gannouni , Lionel Pichon , Olivier Meyer
Progress In Electromagnetics Research M, 2022, 111, pp.247-259.
(10.2528/PIERM22031103)
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A Reconfigurable Coil grid for Receiver Localization in Wireless Power Transfer and Magnetic Field Steering
Jaafar Al Sinayyid , Hakim Takhedmit , Patrick Pouliche , Marjorie Grzeskowiak , Antoine Diet
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NFC/RFID Patch Coil Curvature Effect and Shielding for Medical Applications Wirelessly Powered
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Carbon black/electrolyte interface study by electromagnetic and electrochemical techniques in γ Al₂O₃/poly(vinylidene fluoride)/carbon black composite materials: Application for lithium-ion batteries

Nicolas Gauthier , Anshuman Agrawal , Olivier Dubrunfaut , Sylvain Franger , Bernard Lestriez

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Assessment of Broadband Shielding Effectiveness of Composite Panels for Protective Enclosures

Paul Clerico , Lionel Pichon , Xavier Mininger , Olivier Dubrunfaut , Florian Monsef IEEE Transactions on Electromagnetic Compatibility, 2022, 65 (4), pp.1750-1757. [⟨10.1109/TEMC.2022.3199904⟩](https://doi.org/10.1109/TEMC.2022.3199904)

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Hybrids of glass fibers coated with carbon nanotubes and nickel for high-performance electromagnetic wave absorption composites

Yu Liu , Delong He , Olivier Dubrunfaut , Anne Zhang , Lionel Pichon

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Influence of a Liquid Electrolyte on Electronic and Ionic Transfers in a LiNi 0.5 Mn 0.3 Co 0.2 O 2 /Poly(vinylidene Fluoride- co -hexafluoropropylene)-Based Composite Material

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Hydronium Ions Stabilized in a Titanate-Layered Structure with High Ionic Conductivity: Application to Aqueous Proton Batteries

Seongkoo Kang , Arvinder Singh , Kyle G Reeves , Jean-Claude Badot , Serge Durand-Vidal

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(Invited) Charge Transport Limitations to the Power Performance of LiNi 0.5 Mn 0.3 Co 0.2 O 2 Composite Electrodes

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Multiscale Morphological and Electrical Characterization of Charge Transport and Charge Transfer Limitations to Power Performance of Positive Electrode for Li-Ion Batteries

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Charge-Transfer Perturbations Due to Interfaces on Electronic and Ionic Conductions within Composite Electrodes for Li-Ion Batteries

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Paul Lagouanelle , Charles Boulitrop , Lionel Pichon , F. Freschi , Marc Lambert

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Use of sparsity in nonlinear electromagnetic imaging: wavelet-based contrast source method
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On the Direct Sampling Method in 3-D far-field inverse scattering, from theory to testing on controlled laboratory data
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